

# METHOD AND APPARATUS FOR ORGANIZING WARNING MESSAGES

## ABSTRACT OF THE DISCLOSURE

The present invention is a method and apparatus for organizing warning messages generated by a computer program analyzer. A computer program analyzer generates a set of warning messages based upon potentially erroneous portions of a computer program, where each warning message identifies at least one potential error in the computer program. An inference engine infers from a subset of the set of warning messages at least one suggested-fix heuristic corresponding to each identified potential error in the subset of the set of warning messages. An association module associates each suggested-fix heuristic with the warning message containing the corresponding identified potential error. A grouping module reorders the set of warning messages so as to group together sets of warning messages having substantially similar associated suggested-fix heuristics. A result file generates a result comprising a subset of the set of warning messages ordered in grouped sets.

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